

NWPMA Pavement Distress Review Committee Meeting Minutes November 16, 2001

Attendees:

Bill McEntire – Clark County
Bill Whitcomb – City of Vancouver
Bob Brooks – WST2 Center
Dave Whitcher – CRAB
Derald Christensen – Measurement Research Corporation
Don Zimmer – Thurston County
N. Sivaneswaran (Siva) – WSDOT Materials Lab
Newt Jackson - Nichols Consulting Engineers
Paul Sachs - Nichols Consulting Engineers

- ❖ The meeting was called to order by Bill Whitcomb at approximately 9:45am and began with introductions by attendees
- ❖ There was discussion on the goals of the committee: It was restated that the committee will review analysis methods for Option B in the Pavement Surface Condition Field Rating Manual for Asphalt Pavement
- ❖ The committee agreed to meet monthly until April with the goal of having draft recommendations available for presentation at the NWPMA Spring Conference on April 8-9, 2002 in Spokane
- ❖ Derald Christensen indicated that he is acting on the behalf of all his users and that they want to be able to continue to use their current procedures as a result of any changes recommended by the committee
- ❖ Siva said that the state plans to make no changes in their procedures (at the present time) as a result of changing to automated data collection. He expressed a concern that there might not be sufficient time or expertise to develop and validate a new analysis procedure and that we may need to consider outside help to accomplish this
- ❖ The group discussed the need to have a through understanding of all the current distress analysis methods before making any recommendations for any changes for Option B
- ❖ Bill Whitcomb outlined an agenda for the days meeting:
 - Review of current state methods
 - List of current methods available for calculating visual distress data
 - Examine the different methods and identify key components and elements

- Assign a method to each member(s) of the group to prepare a report on that method for the benefit of the group
 - Develop criteria for evaluating each of the methods
- ❖ Siva did a presentation on the current data collection procedures used by the state
- ❖ The group identified current distress score calculation methods used
 - Pavement Structural Condition (PSC)
 - Paver
 - Modified Paver
 - Matrix Method (extent & severity)
 - StreetWise
- ❖ These methods utilize one of the following techniques:
 - Equation (algorithm) method - PSC
 - Matrix method
 - Deduct Curves - Paver
 - Multiple Index – (state) IRI, Distress, Rutting
- ❖ Derald said in his program he defines an evaluation method for each of the distresses which can result in a mix of methods
- ❖ The committee discussed if the collection method could be separated from the calculation method. Need to keep collection procedures the same for now.
- ❖ More discussion on the objectives of the committee:
 - Agreed to accept the current data collection manual as is
 - Agreed to identify common modifications that agencies use
 - Agreed to identify how deviations from Option B are calculated
- ❖ The committee established the following criteria for evaluating each of the calculation methods:
 - Calculated scores need to provide information (triggers) for rehabilitation actions and budgeting
 - Technologically logical and defensible
 - Flexibility to meet agency needs
 - Sensitive to critical distresses
 - Consistent with why agencies fix pavements
- ❖ Assigned the following persons to research and report to the group on the following methods:
 - Newt Jackson & Siva – PSC
 - Bill McEntire & Paul Sachs – Paver
 - Bob Brooks & Paul Sachs – StreetWise
 - Derald Christensen & Bill Whitcomb – Modified Paver

- Dave Whitcher & Don Zimmer – Matrix Method
- ❖ The committee agreed to meet again and present the reports on January 8, 2002 at the CRAB office.